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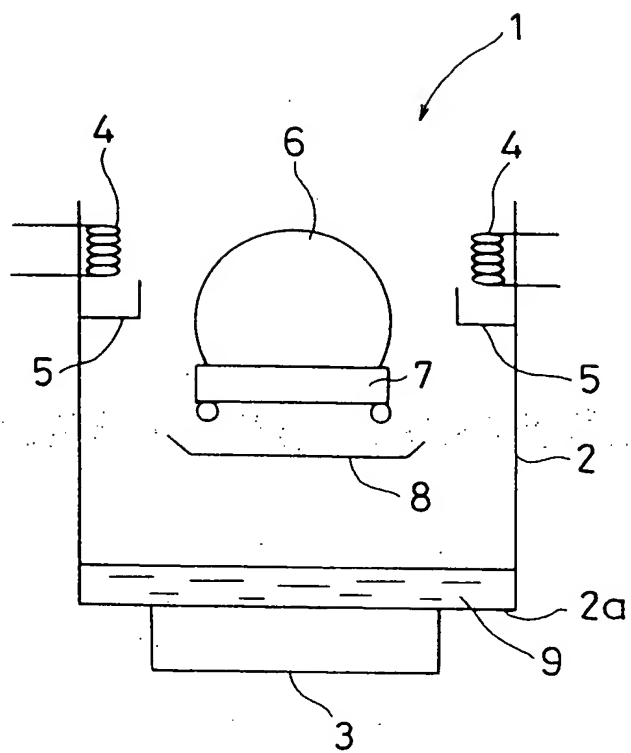


FIG.1

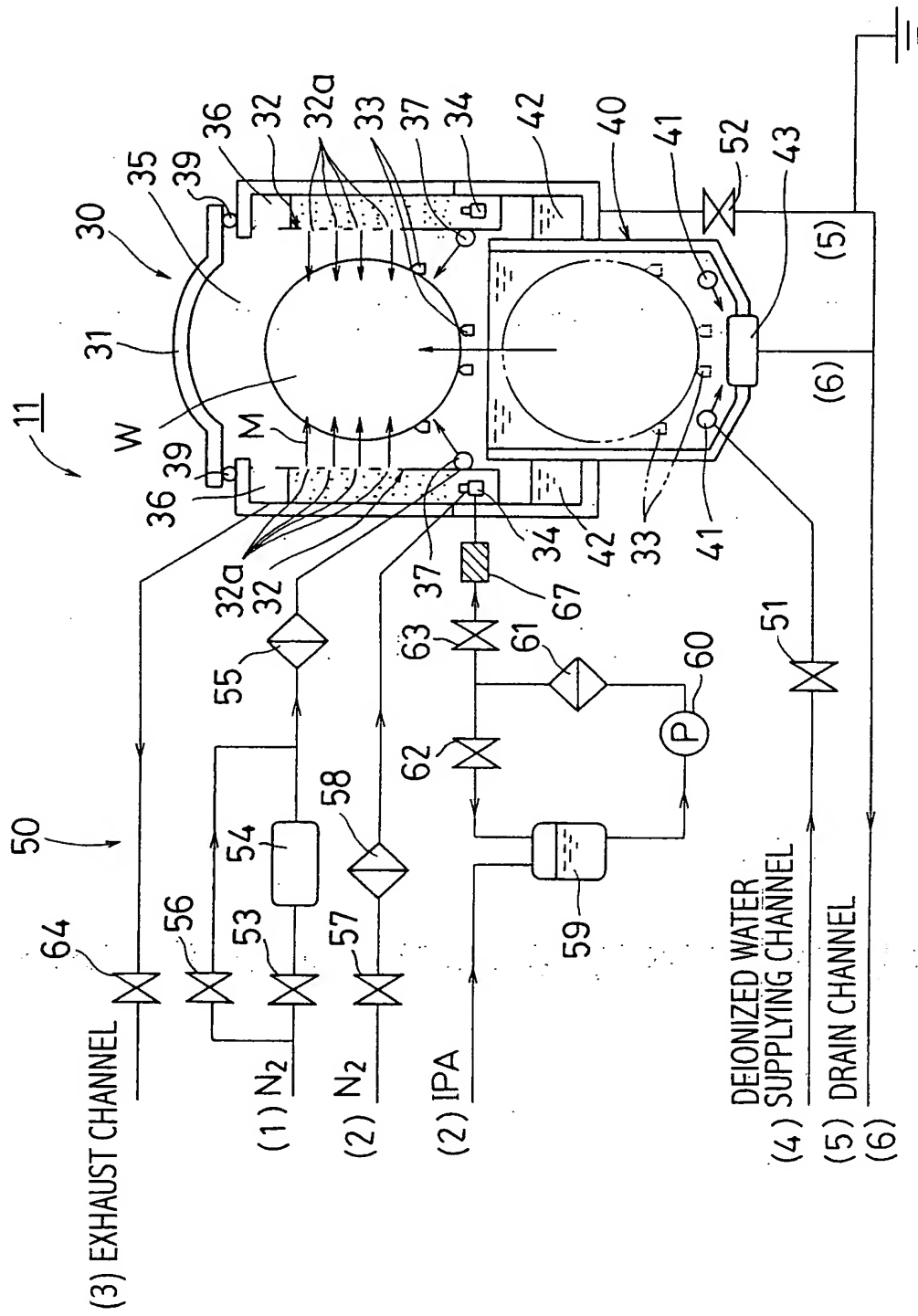


FIG.2

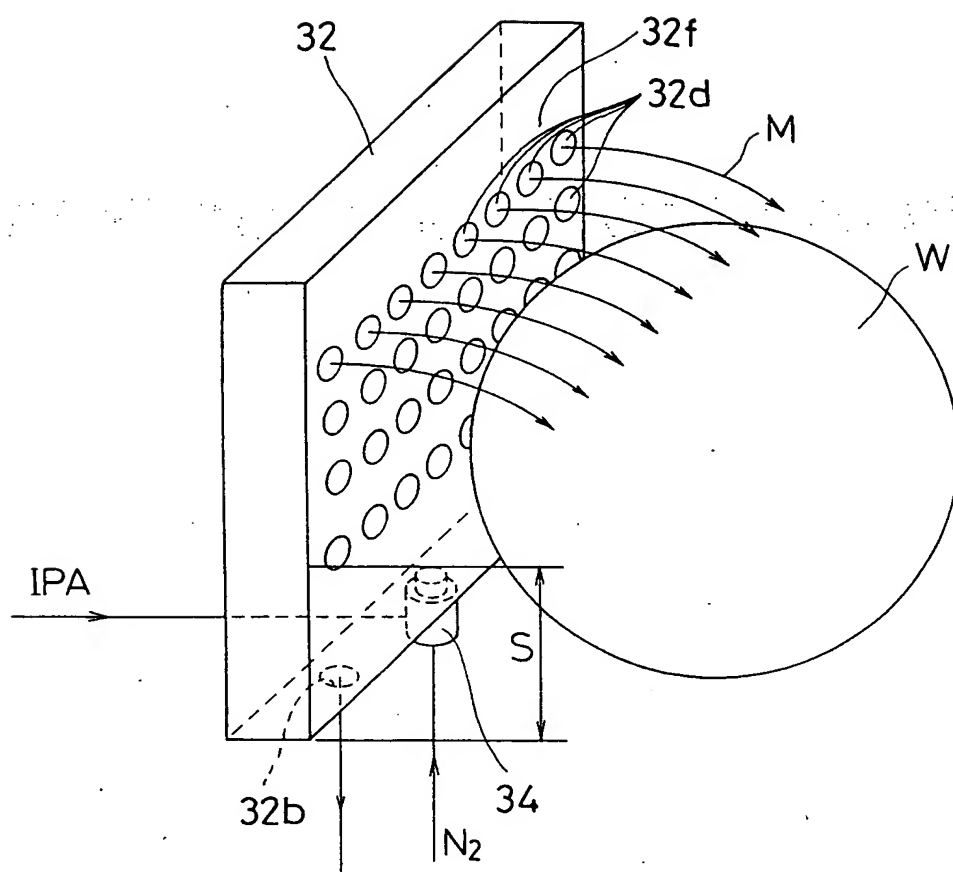


FIG.3

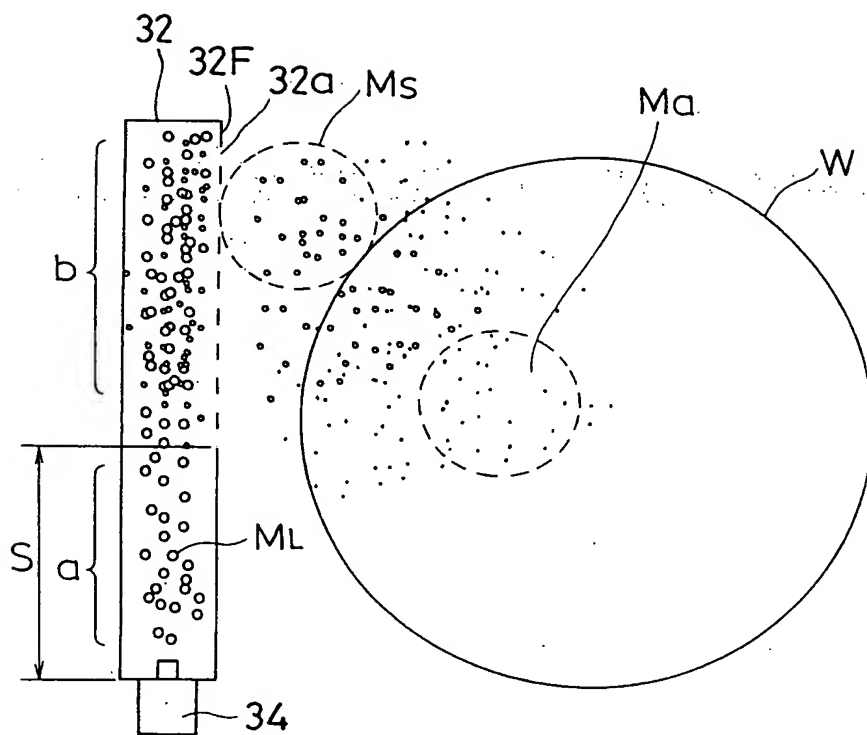


FIG.4

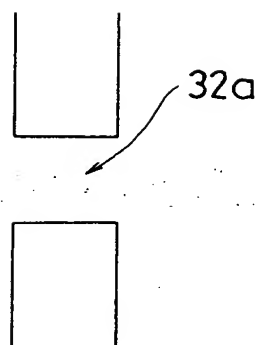


FIG. 5(a)

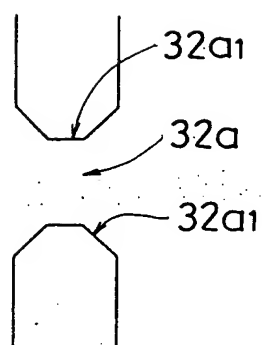


FIG. 5(b)

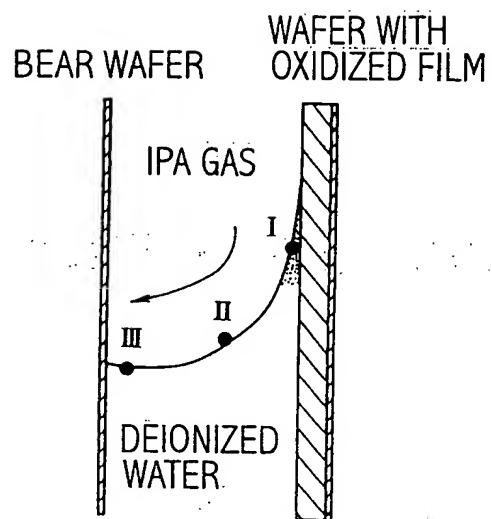
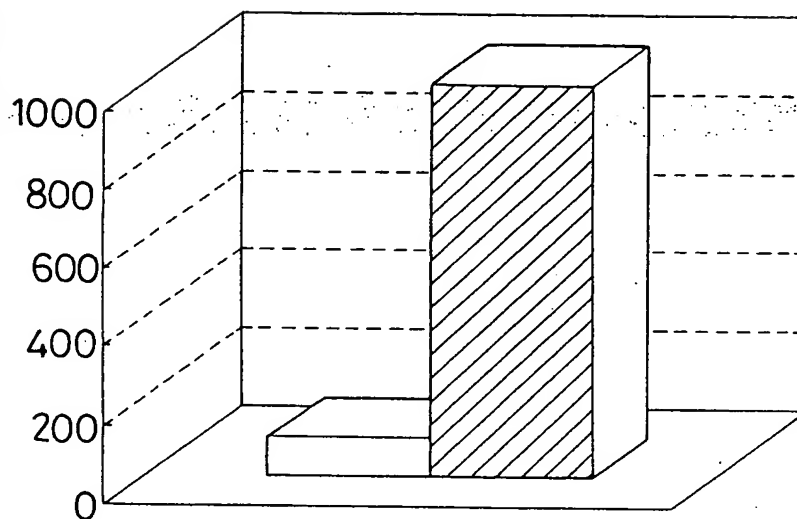


FIG.6

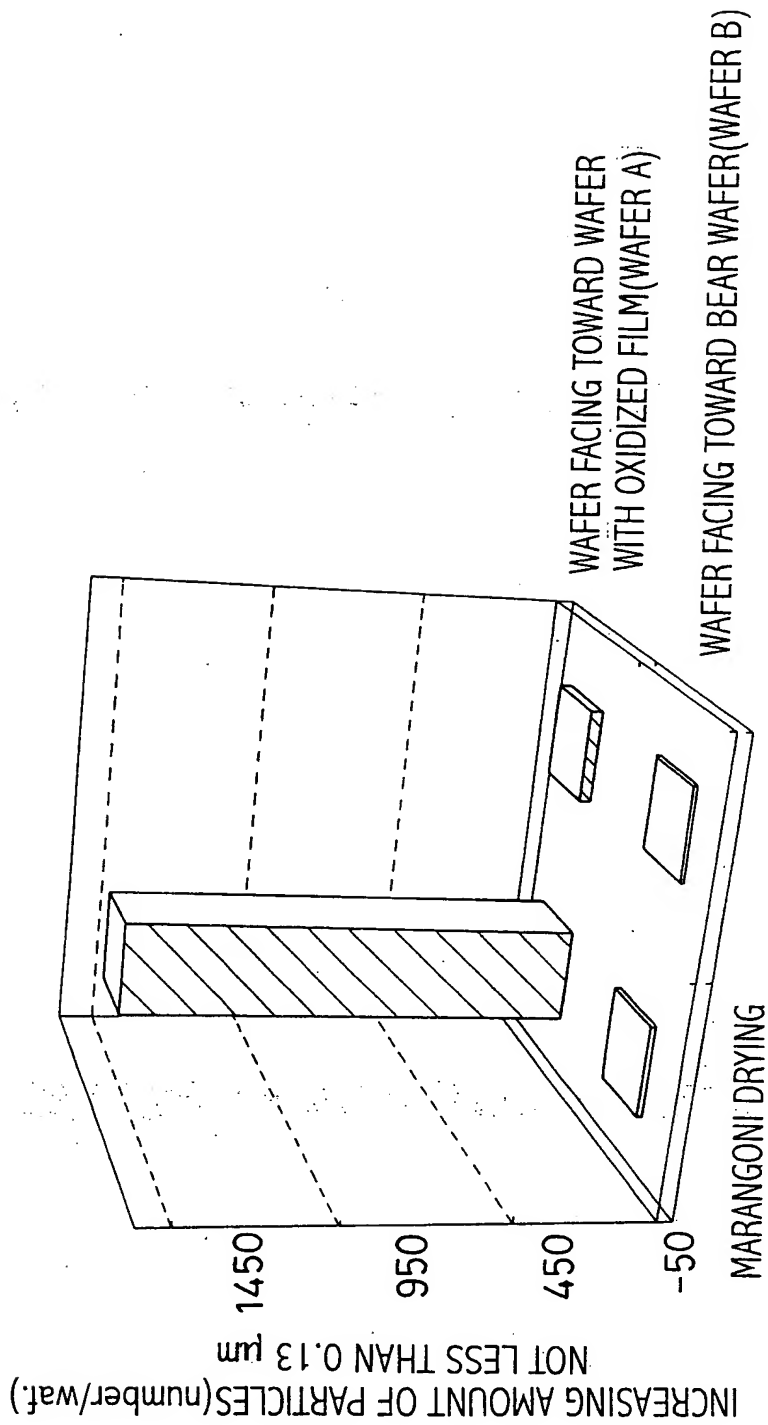
INCREASING AMOUNT OF PARTICLES
(number/wafer of 8 inches in diameter, not less than $0.2\ \mu\text{m}$)

MARANGONI DRYING



- RINSING WITH DEIONIZED WATER → DRYING
- ▨ ETCHING WITH DILUTED HYDROFLUORIC ACID → RINSING WITH DEIONIZED WATER → DRYING

FIG.7



DRYING METHOD
OF THE INVENTION

FIG.8

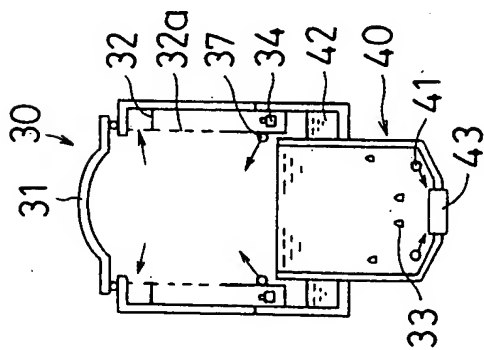


FIG. 9(a)

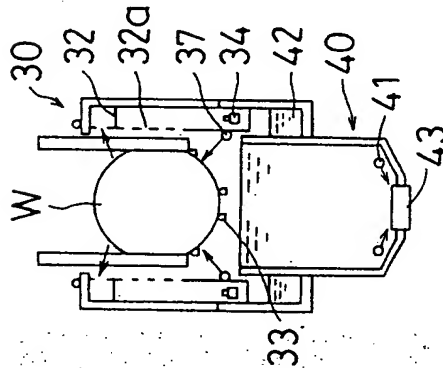


FIG. 9(b)

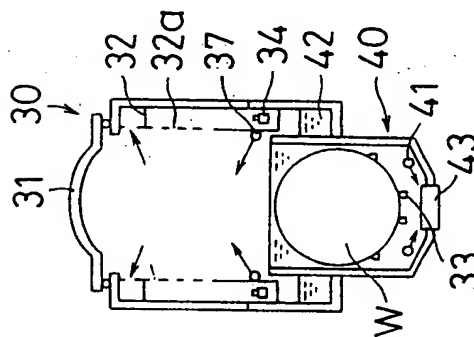


FIG. 9(c)

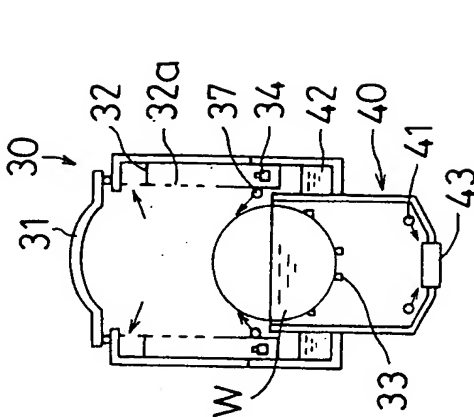


FIG. 9(d)

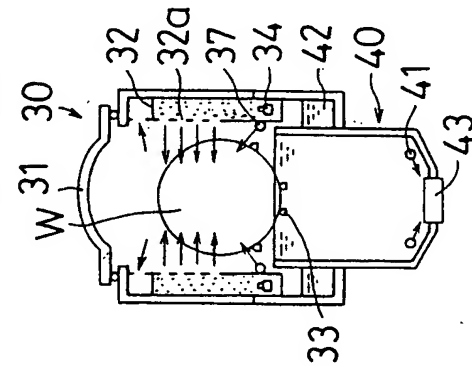


FIG. 9(e)

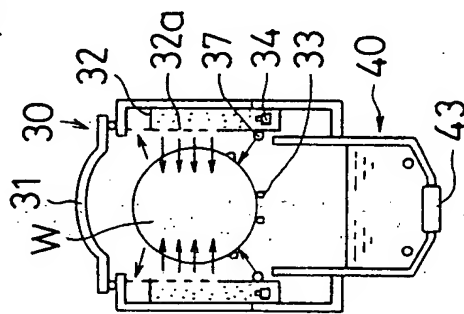


FIG. 9(f)

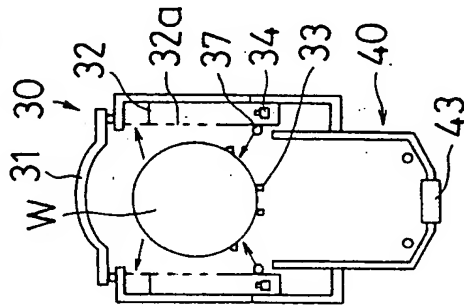


FIG. 9(g)

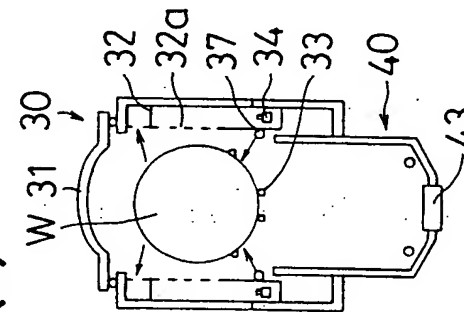


FIG. 9(h)

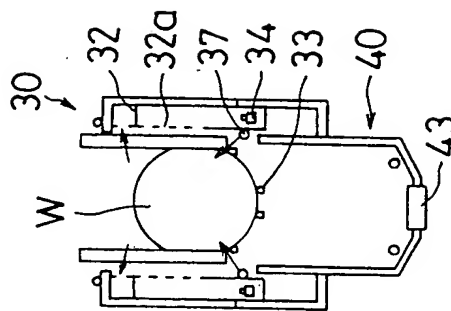


FIG. 9(i)

	STEP								
	1	2	3	4	5	6	7	8	9
LID OPENED									
LID CLOSED									
OVERFLOW RINSING									
N ₂ PURGE AT ORDINARY TEMPERATURES									
EXHAUST									
IPA CIRCULATION									
CRADLE MOVED UPWARD									
CRADLE MOVED DOWNWARD									
IPA MIST SUPPLIED									
DEIONIZED WATER DRAINED									
N ₂ PURGE AT HIGH TEMPERATURES									
	←60→	30←	120←	→10←	150←	→30←			

PROCESSING TIME(SECONDS)

FIG.10

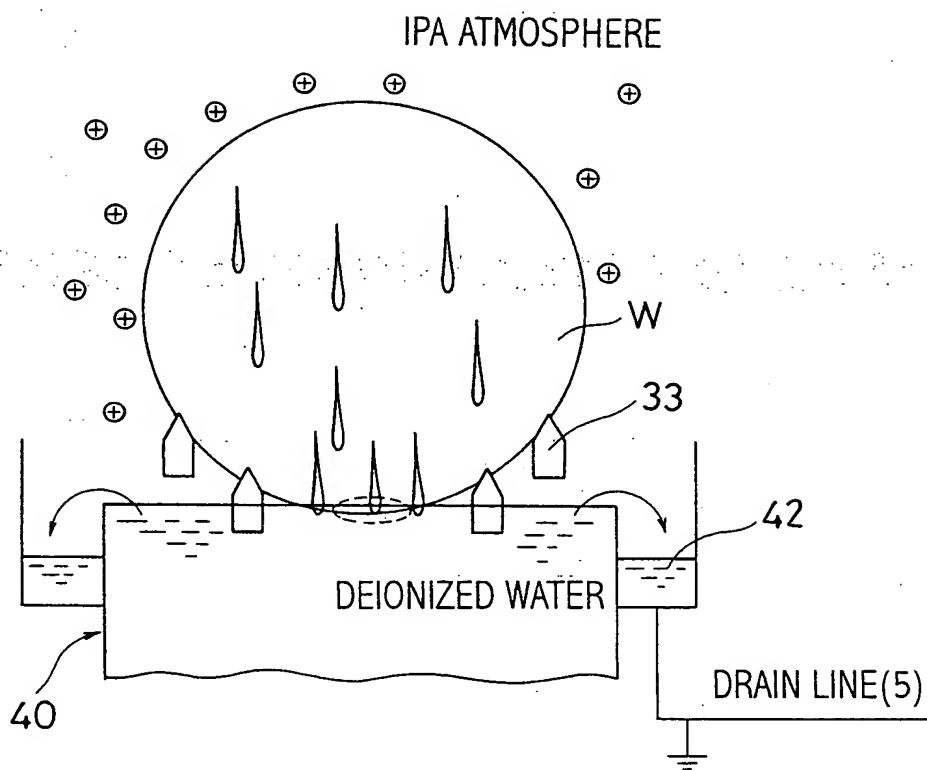


FIG.11

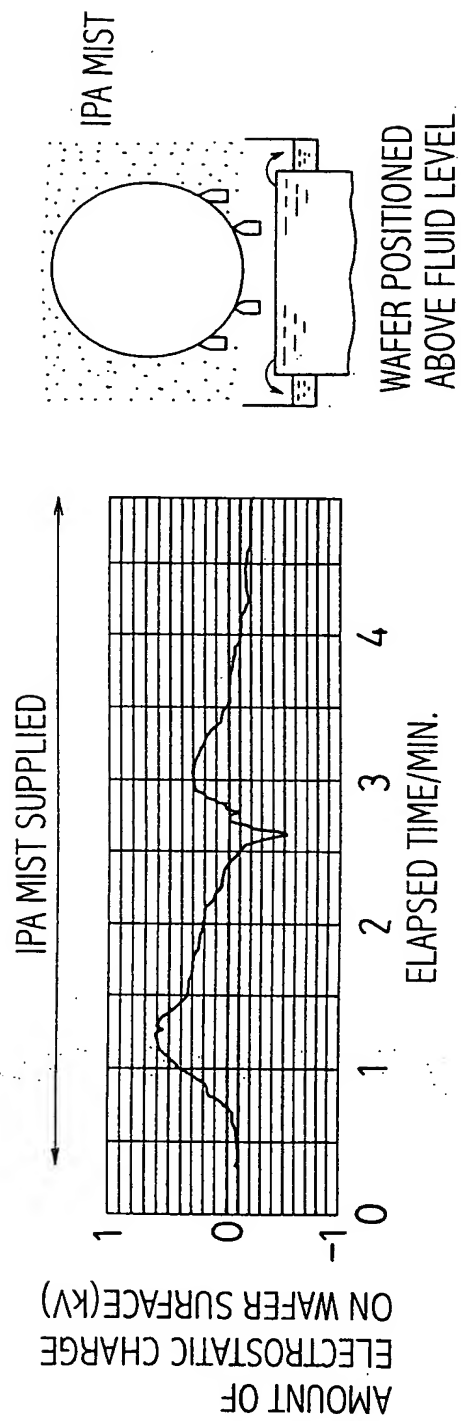


FIG. 12(a)

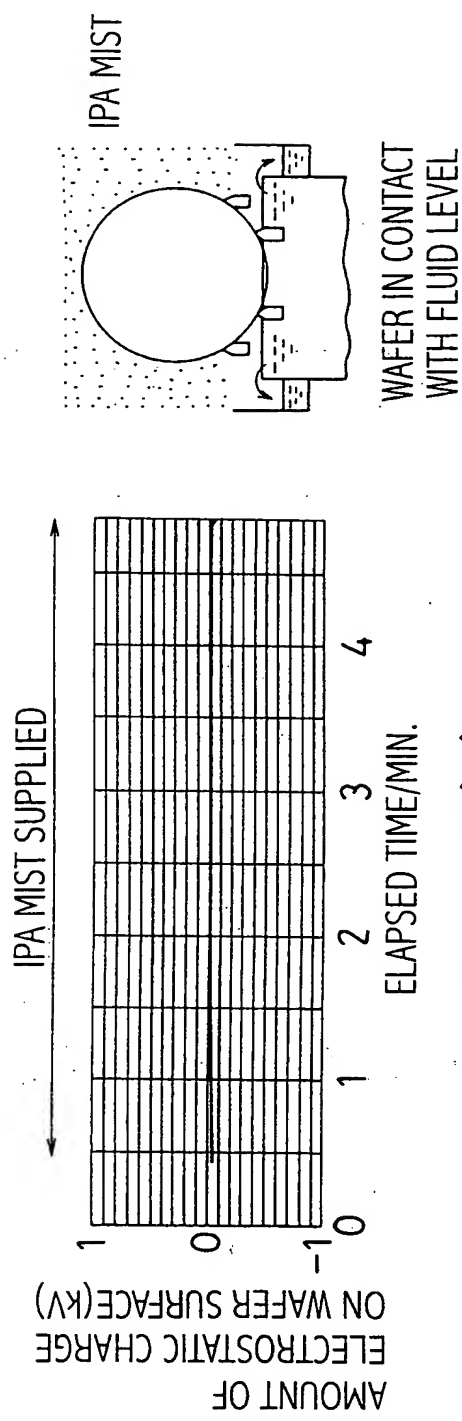


FIG. 12(b)

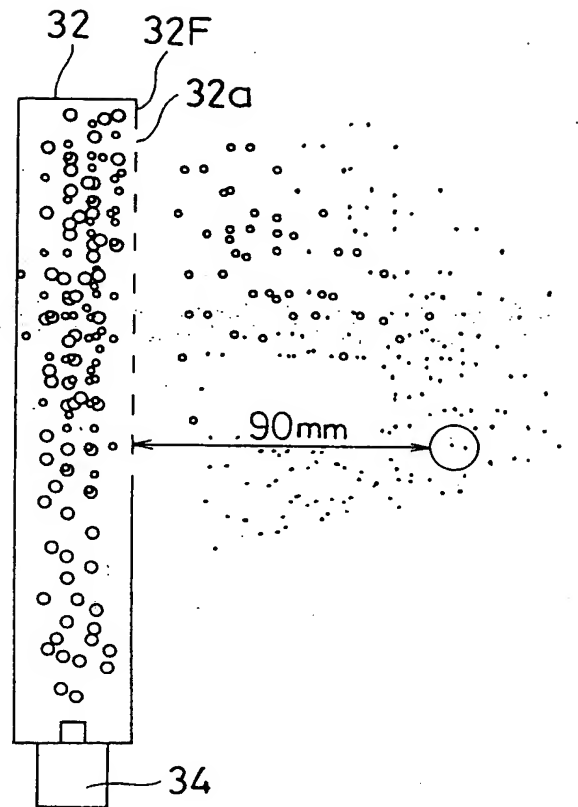


FIG.13

WITH MIST-STRAIGHTENING VANE

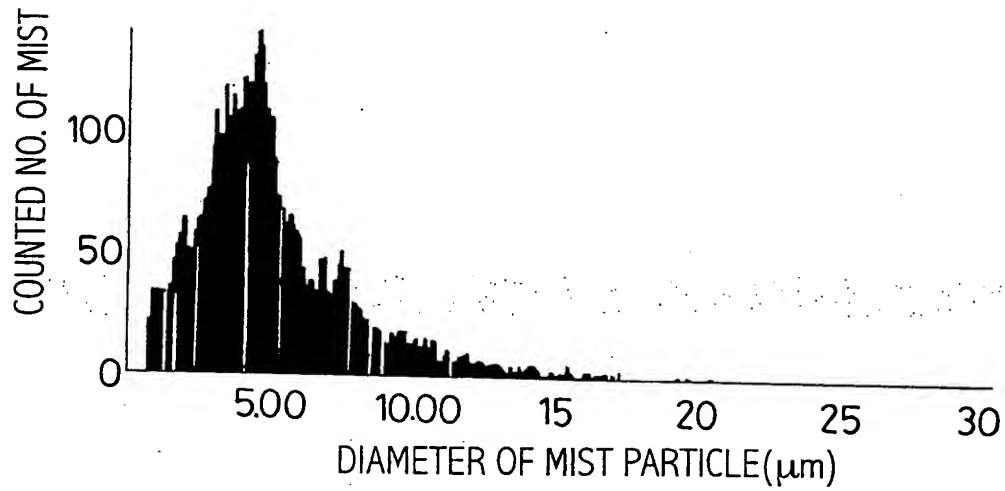


FIG.14(a)

WITHOUT MIST-STRAIGHTENING VANE

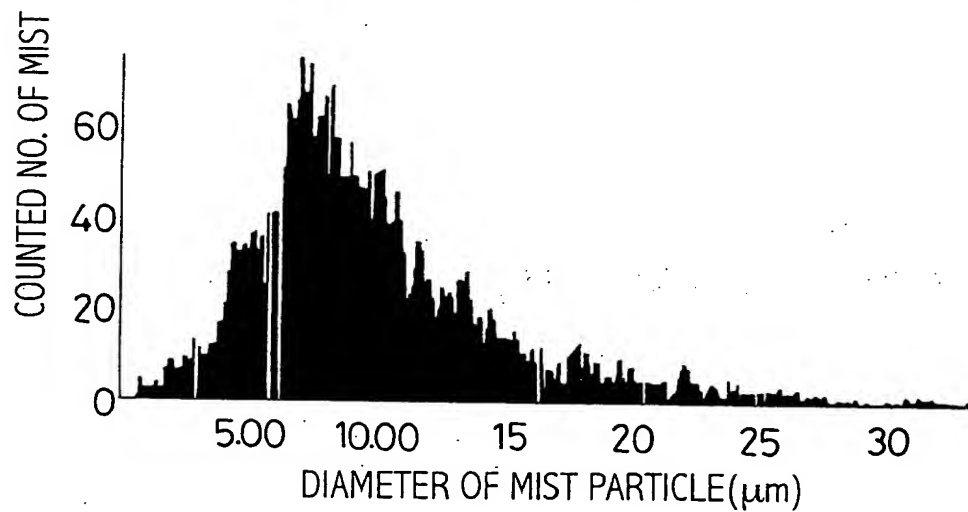


FIG.14(b)

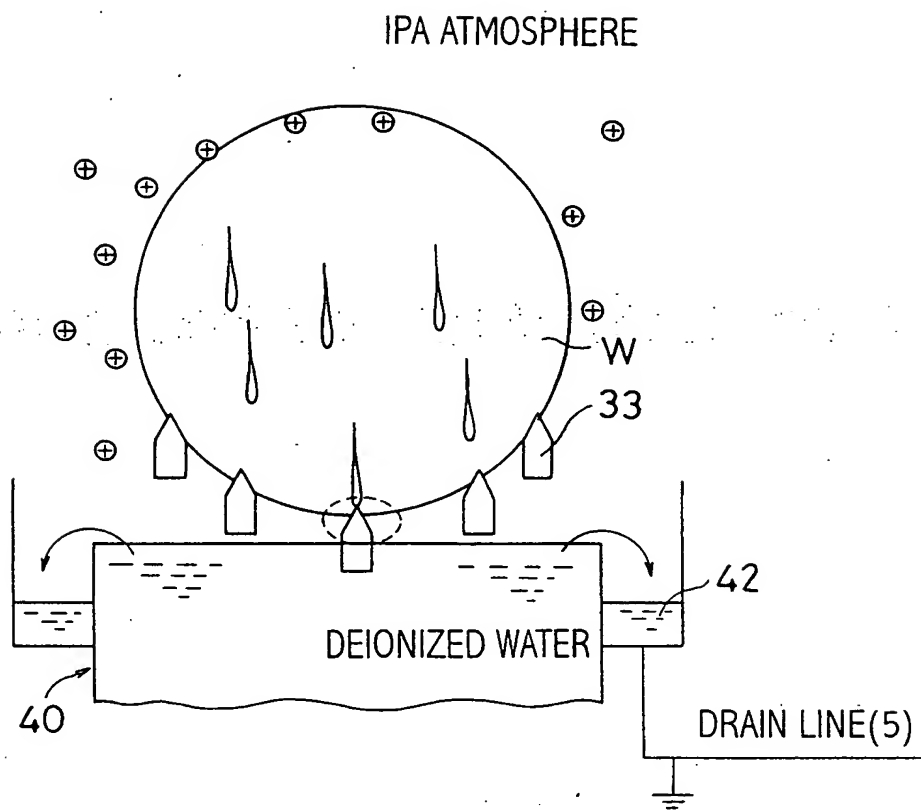


FIG.15

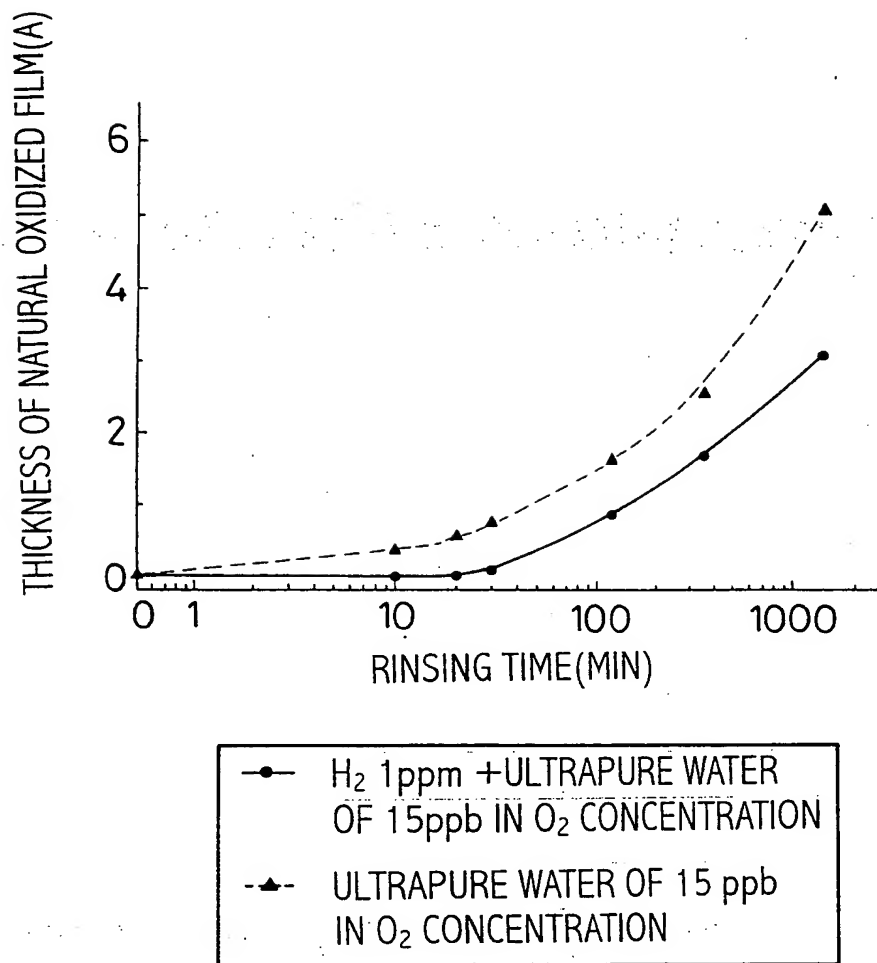


FIG.16

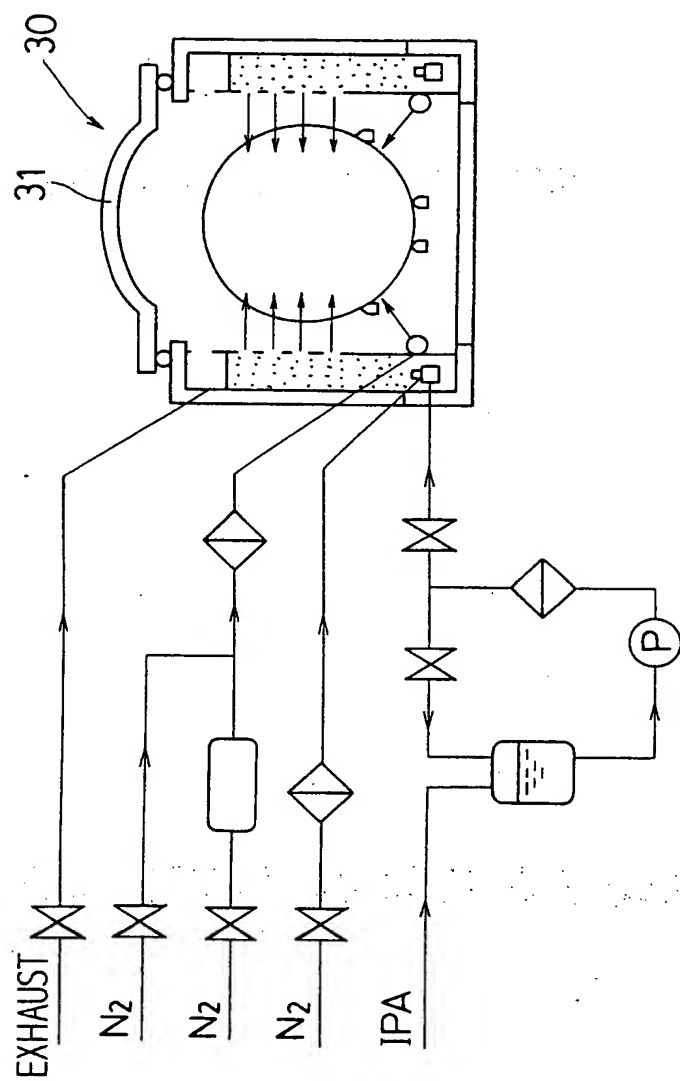


FIG.17